

Abstract

The invention is based on a multipiston pump (66) comprising a plurality of piston pumps (76a-f), which are hydraulically combined into at least two pump units (30a, b). The two pump units (30a, b) are coupled on the intake side, but supply two separate hydraulic circuits with pressure fluid. One such multipiston pump (66) is known from hydraulic vehicle brake systems (56), where it is used as a pressure generator for the two service brake circuits (I, II). So that the driver will notice pump operation, from a pulsating brake pedal, as little as possible, the piston pumps (76a-f) are driven in phase-offset fashion. An eccentric unit (26a, b) serves as the pump drive.

According to the invention, it is now provided that an eccentric unit comprising two spaced-apart cams (26a, b) rotated counter to one another be used, and that the individual piston pumps (76a-f) be located in a number of sectional planes (E1, E2) through the pump housing (10) corresponding to the number of cams (26a, b), and to locate the connecting conduits (32, 33, 36, 37), for hydraulically coupling the pump units (30a, b), in a region of the pump housing (10) defined by the sectional planes (E1, E2). (Fig. 1)